Gaertner

Bastardzeugung.

7th (Oct. 1855) p.521 & p.528 on germination

This water is abstracted & abstract distributed, except the Bundle leaves enclosed.

The abstract has been carefully compared with those of all Kölreuter & Herbert so &c on

Used seed, & all seeds.

p 662. Mutter natur first

p 444 definition of Gemeinde [illegible] & Zusammengesetzte Bauten, & Ausnahmen types.

p 502 Better definition & examples

[illegible] & Style

p 502 Michtam: Sonde ♀ [illegible] mother — feminine ♂ male father

p 429 Explanation of Kohute "aufsteigenden grad" absteigender grad p. 451

The real odd thing is in hybrids that not ~~are~~ in varieties not then affected & [illegible] the offspring are sterile.

Does he give any case of two well varieties then crossed producing a more variable offspring than first two species in first generation; because the difference in variability he makes an important distinction in race & species (p. 581)

Hybrids

Does pistil or stamens ever become monstrous?

If so Herbert seems more decided

In Hybrid-offspring Does double sex, imitation fail & imitation female or, always both? equally which most often

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Relation of Hybridisation to Variability

Disfigurements of Mongrel offspring

Did Kolreuter cross my Silenes ♀, vide p. 140 of Gärtner.

Do not two Hybrids breed easier together sometimes than each with self — from the 2d upset Gärtner explanation of weakened pollen. —

1. P. acaulis (For p. 178)

2 P. elatior (calycantha)

3 P. elatior (communis) - -

4 P. veris (officinalis) - -

5 P. veris (officinalis) calycantha

6 P. calycantha (elatior)

P. vulgaris. Primrose. a species

P. elatior. Oxlip, true plant. a species

P. veris. Cowslip. - - a species

N.B. in No 3. "communis" sometimes in Bracket, sometimes not. —

No 5. I presume must be some blunder of Printers

No 6. Can these names have been reversed by Printer

The plants named calycantha are forms of the several species in which the calyx has become very much enlarged and coloured to a more or less extent (usually greatly) like the corolla. The name is to be found so used in the German systematists such as Mertens & Koch Deutschl. Flora, &c. P. elatior var. calycantha was once called a species (P. calycantha) by Retz. Turn

By "communis" is merely intended "common form". It is not a name.
No 5. *veris* and *officinalis* are synonymous terms, ~~both~~ each having been used to denominate the true cowslip which by Linnaeus was called *P. veris α. officinalis*.

(C. C. Babington)

Book of great [illegible] & Ref. [illegible]

Note 62
— 67 } p. 734 of this Book
— 17

p. 142 See to this important

p. 577 [illegible] of [illegible]

Has he ever [illegible]
to [illegible]
[illegible] ?

p. 640 Genera
which produce good pollen &
[illegible] & set [illegible] pollen of
the species to [illegible] them.

p. 418 Ask Author

[illegible] or Variation —

Ask Author

p. 84 [illegible] of the [illegible]

~~p. 92~~ [illegible]
p. 102
= Table of Primula = 1

p. 577
p. 578
p. 579

p. 57 [illegible]
[illegible]

p. 387
[illegible]

86 [illegible]
pollen

327 [illegible]
[illegible]
[illegible] to be read [illegible]
[illegible]

Gärtner Bastard